

Chain “ai” Words

Orton-Gillingham Concept: “ai”

Science: Physical changes

Materials:

1. Scissors
2. Attached worksheet

Directions:

1. Give attached sheet to the students
2. Have them read the “ai” words
3. Have them cut out the rectangle with the words
4. Fold the rectangle along the middle line
5. On the dotted lines, cut from the fold to the end of the line.
6. Cut the solid lines from the edge to the short perpendicular line before the fold.
7. Then cut along the fold from “A” to “B.”
8. Unfold
9. The shape is changed from a rectangular to a different structure.

Explanation: Cutting the paper does not change it into a new substance but produces a new structure. The zigzag pattern allows the paper to stretch out into a chain.

Chain “ai” Words

chain -----A	stain -----
brain 	train
trail -----	grain -----
strain 	fail
snail -----	bail -----
wait 	braid
jail -----B	plain -----
mail 	faint

Tough “air” Words: Alternative Activity

Orton-Gillingham Concept: “ai”

Science: Air pressure

Materials:

1. Index card (4” by 5”
2. Drinking glass
3. Water

Directions:

1. Give students the index cards
2. Dictate the following words (students sound as they write):

rail vain gait waist snail trail plain paint bait fair
3. Students fill the glass with water until it is full (to the very top).
4. They place the index card on top of the glass (the writing should be on the top).
5. Place one hand on the top of index card and turn the glass upside down while holding the index card in place. One might want to do this over a dishpan.
6. The water remains in the glass.

Explanation: The pressure of the air outside of the glass is greater than the pressure of the water inside. This air pressure keeps the water in the glass.

Tough “air” Words

Orton-Gillingham Concept: “ai”

Science: Properties of air/air pressure

Materials:

1. Sheet of paper
2. Clear plastic cup
3. Large transparent container of water (e.g., fish bowl).

Directions:

1. Give students the pieces of paper and plastic cup
2. Dictate the following words (students sound as they write):

hail drain stain trail aim sail quail wail maid
3. Students crumple their paper.
4. They place this crumpled paper in the bottom of the plastic cup.
5. Hold the cup bottom up and push the cup into the water. Be sure not to tilt the cup when doing this.
6. Remove the cup from the water container. Take out the paper. It should be dry.

Explanation: Water cannot get into the cup because it is already filled with air. The air cannot get out because it is lighter than the water or the air creates pressure that is greater than the pressure of the water trying to get into the cup. If you tilt the cup, the air will escape in the form of bubbles and the water will enter the cup.